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RICE CROP OF THE UNITED STATES,
1712-1911.

COMPILED UNDER THE DIRECTION OF
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RICE CROP IN THE UNITED STATES, 1712-1911.

Intelligent use of the following table depends upon observing these explanations:

AREA.—Of production, contiguous United States; of trade, contiguous United States, and, subsequent to its annexation, Alaska; of total consumption, contiguous United States and Alaska.

PRODUCTION.—The year mentioned is that of planting, growth, and harvest. Production data obtained from following sources: South Carolina crop, 1718, letter from Governor Johnston, of South Carolina, January 12, 1720; 1738, Butel-Dumont; 1768, John Drayton, ex-governor of South Carolina; United States crop, 1839, 1849, 1859, 1869, 1879, 1889, 1899, 1909, Census; 1841-48, estimates of the Commissioner of Patents; 1853, estimate of the Commissioner of Agriculture; 1904-8, 1910, 1911, estimates of the Department of Agriculture.

Estimates of the marketed production of rice by Dan Talmage's Sons Co. 1819-38, 1840, 1850-58, for the Carolinas and Georgia; 1860, for the same States and Louisiana; 1861-63, for Louisiana only; 1864-65, for North Carolina and Louisiana; 1866-68, 1870-78, 1880-88, 1890-98, for the Carolinas, Georgia, and Louisiana; 1900-1903; for the same States and Texas.

PRODUCTION PER ACRE.—Census estimate for 1849; Census average, 1879, 1889, 1899, 1909; Bureau of Statistics, Department of Agriculture, 1904-8, 1910, 1911.

TOTAL FARM VALUE.—Production multiplied by farm value per barrel; Census, 1899, 1909.

FARM VALUE PER BARREL.—1839, 1845, general and usual plantation price; 1846-47, Commissioner of Patents; 1849, Census estimate; 1853, Commissioner of Agriculture; 1899, 1909, Census average; 1904-8, 1910, 1911, Bureau of Statistics, Department of Agriculture.

DOMESTIC EXPORTS OF CLEANED RICE—NET WEIGHT.—Exports of South Carolina: 1717-18, letter from governor of South Carolina; 1719, 1721, F. Yonge, agent of South Carolina in London; 1724-35, Butel-Dumont; 1736-37, 1739-46, 1748-52, 1754, 1758-59, 1762-64, South Carolina Gazette quoted in Charleston Yearbook, 1880; 1738, Anderson's Commerce; 1747, Governor Glen's Report to the Board of Trade; 1753, 1771, 1781-83, 1788, John Drayton; 1773, Charleston Yearbook, 1880; 1784-85, de la Roche-foucauld Liancourt; 1786, Jedediah Morse. The data were originally taken from the customhouse records of Charleston, S. C.

Exports of South Carolina and Georgia: 1760, 1770, South Carolina Gazette and Jedediah Morse; 1761, South Carolina Gazette and Anderson's Commerce; 1772, John Drayton and Jedediah Morse.

Exports from all the British Colonies in America: 1712-16, Colonial records of North Carolina, imports into Great Britain from the British Colonies in America and here stated as exports; 1767-69, official colonial statistics of exports of rice from British North America, quoted by Sheffield.

Exports from the United States: 1789-1801 including reexports, 1802-19 not including reexports, American State Papers; 1820 and subsequently, Bureau of Statistics, Department of Commerce and Labor. Figures for 1789 are incomplete, one quarterly return missing from Charleston, S. C. Rice bran, meal, and polish are not included except for 1891, when separate data are not given for these products.

Since 1899 the shipments of rice to Hawaii and Porto Rico from the United States have been added to the domestic exports to make the data comparable with earlier years, while the exports from those two customs districts to foreign countries have been subtracted from the total exports from the United States.

The years 1712-16 begin at Christmas; 1718-19, 1768-70 are calendar years and are tabulated under 1717, 1718, 1767, 1768, 1769. All the other years begin Nov. 1, as nearly as can be ascertained until 1789, which begins Aug. 1 (14-month year, partly duplicating previous year); 1790-1842 begin Oct. 1 (1842 is a 9-month year); 1843 and following years begin July 1.

DOMESTIC EXPORTS OF CLEANED RICE—TOTAL VALUE.—Before 1789 export price as quoted from the customhouse reports, or weight of exports multiplied by the Charleston market price; 1789-90, 1802-19, American State Papers; 1791-95 calculated values, based on Charleston export prices; 1820 and subsequently, Bureau of Statistics, Department of Commerce and Labor.

IMPORTS FOR CONSUMPTION, CLEANED RICE—NET WEIGHT.—Total imports less reexports, 1861-65; imports for consumption 1866 and subsequently, Bureau of Statistics, Department of Commerce and Labor. Fifty-five per cent of the weight of the imported paddy and 89 per cent of the imported uncleaned rice were counted as cleaned rice—see Customs Decision No. 21747, Treasury Department. Since 1899 the shipments of domestic and foreign rice from Hawaii and Porto Rico to the United States have been added to the imports for consumption of the United States, to make the data comparable with previous years, while imports for consumption into those two customs districts have been subtracted from the total for the United States.

After October 6, 1890, "Rice flour, rice meal, and broken rice which will pass through a wire sieve known commercially as No. 1," are added. Previous to that date these by-products were omitted.

EQUIVALENTS USED.—In trade, barrel, 1717, 350 pounds; 1719-29, 400 pounds; 1730-88, 500 pounds; 1789-1864, 400 pounds; tierce, 1789-1864, 600 pounds. In production, 1 barrel of rough rice=162 pounds=100 pounds of cleaned rice; 1 bushel of rough rice=45 pounds; 3.6 bushels of rough rice=1 barrel.

CONSUMPTION.—No account taken of stocks at beginning and end of year. The figures are taken from the formula of production plus net imports (imports for consumption, 1866 and subsequently) minus domestic exports, and do not stand for actual consumption for any certain year.

CONSUMPTION OF CLEANED RICE—PER CAPITA.—The indicated per capita consumption of cleaned rice, by 5-year periods, for food, brewing, and other purposes, based upon area and population of contiguous United States and Alaska, follows: 1821-25, 0.54 pound; 1826-30 (apparent excess of exports); 1831-35, 0.72 pound; 1836-40, 1.55 pounds; 1841-45, 1.23 pounds; 1846-50, 2.51 pounds; 1851-55, 1.57 pounds; 1856-60, 1.93 pounds; 1861-65, 1.91 pounds; 1866-70, 2.32 pounds; 1871-75, 2.75 pounds; 1876-80, 3.01 pounds; 1881-85, 3.50 pounds; 1886-90, 3.79 pounds; 1891-95, 4.57 pounds; 1896-1900, 4.17 pounds; 1901-5, 5.94 pounds; 1906-10, 7.36 pounds.

FIVE-YEAR AVERAGES.—The percentages of production retained for consumption and the per capita consumption are weighted averages; yield per acre and price per pound are means.

GOLD VALUE.—All values have been reduced to gold for 1861-78.

AUTHORITIES.—North Carolina Colonial Records, Anderson's Commerce, South Carolina Gazette, American State Papers, American Husbandry, Sheffield's Observations on the Commerce of the American States, Bureau of the Census, Commissioner of Patents; Wm. J. Rivers, History of South Carolina; F. Yonge, agent of South Carolina in London, Address to the Rt. Hon. John Lord Carteret; Georges Marie Butel-Dumont, Histoire et Commerce des Colonies Anglaises dans l'Amérique Septentrionale; John Drayton, A View of South Carolina; Governor Glen's Report to the Board of Trade, 1749; F. A. F. de la Rochefoucauld Liancourt, Travels through the United States; Alexander Hewatt, An Historical Account of South Carolina and Georgia; David Ramsey, History of South Carolina, 1670-1808; Jedediah Morse, American Geography, 1789; W. G. Simms, History of South Carolina; De Bow, Industries of Southern and Western States; Charleston, S. C., Yearbook, 1880; Bureau of Statistics, Department of Commerce and Labor; Bureau of Statistics, Department of Agriculture.

Production, value, domestic exports, imports, and consumption of rice for the United States, 1712-1911.

Year.	Production.			Farm value, rough.		Fiscal year beginning in the year mentioned.					Retained and received for consumption.	
	Total.		Per acre, rough.	Total.	Per barrel.	Domestic exports, cleaned.		Imports for consumption, cleaned.			Net weight, cleaned.	Per cent of production.
	Rough.	Cleaned.				Net weight.	Export value.	Net weight.	Import value.			
			Barrels.	Pounds.	Barrels.					Dollars.	Dollars.	Pounds.
1694 ^a												
1712.....						3,144,176						
1713.....						3,144,176						
1714.....						3,144,176						
1715.....						3,144,176						
1716.....						3,144,176						
1717.....						3,187,100						
1718.....						3,190,250						
1719.....	49,000	4,900,000				5,443,600	118,265				1,709,750	34.9
1721.....						8,751,600	94,570					
1724.....						7,093,600						
1725.....						9,212,400						
1726.....						10,753,600						
1727.....						11,962,000						
1728.....						12,953,600						
1729.....						16,688,800						
1730.....						19,743,500	288,255					
1731.....						18,534,000						
1732.....						25,363,000						
1733.....						15,161,500						
1734.....						22,866,100						
1735.....						26,485,300						
1736.....						21,413,300	623,226					
1737.....						17,162,000						
1738.....	400,000	40,000,000				35,742,000	695,754				4,258,000	10.6

^a Seed obtained by governor of Carolina from ship from Madagascar.

[illegible]

a One quarterly return missing for Charleston, S. C.

Production, value, domestic exports, imports, and consumption of rice for the United States, 1712-1911—Continued.

Year.	Production.			Farm value, rough.		Fiscal year beginning in the year mentioned.				Retained and received for consumption.	
	Total.		Per acre, rough.	Total.	Per barrel.	Domestic exports, cleaned.		Imports for consumption, cleaned.		Net weight, cleaned.	Per cent of production.
	Rough.	Cleaned.				Net weight.	Export value.	Net weight.	Import value.		
	Barrels.	Pounds.	Barrels.	Dollars.	Dollars.	Pounds.	Dollars.	Pounds.	Dollars.	Pounds.	Per cent.
1823.....	754,638	75,463,800	.....	.....	.....	67,937,400	1,882,982	.....	.....	7,326,400	10.0
1824.....	661,332	66,133,200	.....	.....	.....	58,209,000	1,925,245	.....	.....	7,924,200	12.0
1825.....	703,488	70,348,800	.....	.....	.....	66,637,800	1,917,445	.....	.....	3,711,000	5.3
1826.....	796,866	79,686,600	.....	.....	.....	80,110,800	2,343,908	.....	.....	a 424,200	.....
1827.....	874,068	87,406,800	.....	.....	.....	105,011,400	2,620,696	.....	.....	a 17,604,600	.....
1828.....	923,556	92,355,600	.....	.....	.....	102,981,600	2,514,370	.....	.....	a 10,626,000	.....
1829.....	875,658	87,565,800	.....	.....	.....	78,418,200	1,986,824	.....	.....	9,147,600	10.4
1830.....	813,516	81,351,600	.....	.....	.....	69,910,200	2,016,267	.....	.....	11,441,400	14.1
1831.....	911,550	91,155,000	.....	.....	.....	72,196,200	2,152,681	.....	.....	18,958,800	20.8
1832.....	1,069,530	106,953,000	.....	.....	.....	86,497,800	2,744,418	.....	.....	20,455,200	19.1
1833.....	872,226	87,222,600	.....	.....	.....	73,131,000	2,122,272	.....	.....	14,091,000	16.2
1834.....	906,000	90,600,000	.....	.....	.....	66,510,600	2,210,331	.....	.....	24,089,400	26.6
1835.....	1,013,106	101,310,600	.....	.....	.....	127,789,800	2,548,750	.....	.....	a 26,479,200	.....
1836.....	905,748	90,574,800	.....	.....	.....	63,650,400	2,309,279	.....	.....	26,924,400	29.7
1837.....	716,046	71,604,600	.....	.....	.....	42,628,800	1,721,819	.....	.....	28,975,800	40.5
1838.....	819,498	81,949,800	.....	.....	.....	55,992,000	2,460,198	.....	.....	25,957,800	31.7
1839.....	808,414	80,841,422	.....	2,021,035	2.50	60,996,000	1,942,076	.....	.....	19,845,422	24.5
1840.....	842,526	84,252,600	.....	.....	.....	60,970,200	2,010,107	.....	.....	23,282,400	27.6
1841.....	889,530	88,952,968	.....	.....	.....	68,770,200	1,907,387	.....	.....	20,182,768	22.7
1842.....	940,075	94,007,484	.....	.....	.....	64,059,600	1,625,726	.....	.....	29,947,884	31.9
1843.....	898,791	89,879,145	.....	.....	.....	80,829,000	2,182,468	.....	.....	9,050,145	10.1
1844.....	1,117,500	111,750,000	.....	.....	.....	71,172,600	2,160,456	.....	.....	40,586,400	36.3
1845.....	897,650	89,765,000	.....	3,500,600	4.00	74,404,200	2,564,991	.....	.....	15,360,800	17.1
1846.....	977,415	97,741,500	.....	3,786,483	3.87	86,656,200	3,695,896	.....	.....	11,085,300	11.3
1847.....	1,060,405	106,040,500	.....	3,091,213	3.00	60,241,800	2,331,824	.....	.....	42,798,700	41.5
1848.....	1,191,995	119,199,500	.....	.....	.....	77,316,600	2,569,362	.....	.....	41,882,900	35.1
1849.....	2,155,155	215,515,497	12.3	4,000,000	1.86	76,241,400	2,631,557	.....	.....	139,072,097	64.6
1850.....	1,027,758	102,775,800	.....	.....	.....	63,854,000	2,170,897	.....	.....	39,421,800	38.4
1851.....	1,057,338	105,733,800	.....	.....	.....	71,859,800	2,471,029	.....	.....	33,894,000	32.1
1852.....	1,024,674	102,467,400	.....	.....	.....	40,624,200	1,637,698	.....	.....	61,843,200	60.4

1853.....	1,014,306	101,430,600	63,072,600	2,634,127	38,358,000	37.8
1854.....	70,872,000	70,872,000	39,421,600	1,717,953	31,450,400	44.4
1855.....	1,036,002	103,606,200	67,616,000	2,390,233	35,990,200	34.7
1856.....	995,646	99,564,600	68,322,800	2,290,400	31,241,800	31.4
1857.....	1,082,436	108,243,600	58,122,200	1,870,578	50,121,400	46.3
1858.....	1,102,932	116,293,200	77,070,400	2,207,148	39,222,800	33.7
1859.....	1,871,670	187,167,032	81,632,600	2,567,399	105,534,432	56.4
1860.....	1,032,792	105,279,200	43,512,400	1,382,178	61,706,800	58.7
1861.....	20,518	2,051,830	4,221,600	156,899	50,761,766	2,474.0
1862.....	20,863	2,086,280	1,694,800	83,404	52,299,169	2,506.8
1863.....	15,808	1,580,790	2,176,800	84,217	89,611,896	5,668.8
1864.....	47,406	4,740,580	983,200	65,105	52,713,249	1,112.0
1865.....	102,465	10,246,490	2,212,900	136,993	74,287,989	795.0
1866.....	251,545	25,154,520	1,394,007	100,338	48,855,056	72,615.569
1867.....	278,138	27,813,790	3,079,043	170,357	43,778,772	68,513.519
1868.....	436,519	43,651,910	2,232,833	145,934	36,188,559	981.173
1869.....	796,350	79,635,021	2,133,014	127,655	33,606,275	799,741
1870.....	548,889	54,888,860	445,842	22,802	50,699,834	1,440,198
1871.....	363,200	36,320,900	403,885	28,708	53,945,583	1,674,401
1872.....	522,758	52,275,780	276,637	19,740	54,580,588	1,063,786
1873.....	624,004	62,400,380	558,922	27,075	59,330,435	1,020,385
1874.....	678,134	67,813,400	277,337	19,831	50,982,298	1,349,330
1875.....	838,608	83,860,800	439,991	30,918	50,720,709	1,240,949
1876.....	866,282	86,628,200	1,306,982	78,112	50,632,561	1,244,285
1877.....	777,324	77,732,400	1,631,105	33,953	46,172,628	1,318,508
1878.....	815,138	81,513,800	740,136	35,538	55,393,226	1,749,645
1879.....	1,101,314	110,131,373	183,534	13,366	51,820,122	1,520,718
1880.....	1,118,690	111,868,990	150,451	10,072	49,128,463	1,390,037
1881.....	1,026,048	102,604,810	143,289	10,109	73,978,940	1,927,333
1882.....	999,830	99,983,000	136,143	8,679	78,626,250	2,040,396
1883.....	1,107,000	110,700,000	103,519	9,870	84,503,181	2,081,035
1884.....	1,095,616	109,561,000	108,827	10,019	76,585,228	1,866,574
1885.....	1,501,950	150,195,000	266,311	14,241	55,181,869	1,346,088
1886.....	1,556,695	155,669,500	644,384	29,204	46,617,668	1,440,449
1887.....	1,136,307	113,630,700	398,535	22,234	92,287,042	2,132,330
1888.....	1,247,332	124,733,200	439,706	24,124	96,084,903	2,078,010
1889.....	1,285,909	128,590,934	388,914	20,728	79,896,214	1,794,928
1890.....	1,368,000	136,800,000	540,620	33,012	107,075,722	3,603,880
1891.....	1,556,656	155,665,600	610,256,797	689,340	143,696,944	3,052,431
1892.....	2,375,469	237,546,900	756,992	25,126	137,220,387	2,703,821
						374,010,295

^a Excess of exports over production.

^b Including bran, meal, and polish, which are not separately stated in the returns.

Production, value, domestic exports, imports, and consumption of rice for the United States, 1712-1911—Continued.

Year.	Production.			Farm value, rough.		Fiscal year beginning in the year mentioned.				Retained and received for consumption.	
	Total.		Per acre, rough.	Total.	Per barrel.	Domestic exports, cleaned.		Imports for consumption, cleaned.		Net weight, cleaned.	Per cent of production.
	Rough.	Cleaned.				Net weight.	Export value.	Net weight.	Import value.		
	<i>Barrels.</i>	<i>Pounds.</i>	<i>Barrels.</i>	<i>Dollars.</i>	<i>Dollars.</i>	<i>Pounds.</i>	<i>Dollars.</i>	<i>Pounds.</i>	<i>Dollars.</i>	<i>Pounds.</i>	<i>Per cent.</i>
1893.....	1,228,652	122,865,160	.....	.....	.....	763,425	19,884	120,398,197	2,108,218	242,469,932	197.3
1894.....	1,098,208	109,820,800	.....	.....	.....	124,296	4,687	200,614,058	3,265,143	310,310,562	282.6
1895.....	1,686,854	168,685,440	.....	.....	.....	1,346,876	14,117	135,563,114	2,058,241	302,901,678	179.6
1896.....	968,864	96,886,400	.....	.....	.....	387,288	14,617	183,965,394	3,335,533	280,464,506	289.5
1897.....	1,163,018	116,301,760	.....	.....	.....	637,146	27,501	167,193,971	3,315,583	282,888,585	243.2
1898.....	1,369,907	136,990,720	.....	.....	.....	852,704	38,511	166,436,082	3,440,145	302,574,098	220.9
1899.....	2,502,802	250,280,227	.....	.....	.....	12,947,009	500,364	102,983,404	2,090,550	340,316,622	136.0
1900.....	2,531,392	253,139,200	7.3	6,329,562	2.53	37,886,640	1,352,532	102,150,653	2,112,412	317,403,213	125.4
1901.....	3,880,352	388,035,200	.....	.....	.....	51,135,786	1,832,772	132,843,296	2,526,089	469,742,710	121.1
1902.....	3,193,930	319,392,960	.....	.....	.....	64,417,713	2,428,759	145,111,635	2,610,171	400,086,882	125.3
1903.....	5,607,500	560,750,000	.....	.....	.....	70,394,224	2,558,602	121,387,622	2,342,442	611,743,398	109.1
1904.....	5,800,000	586,000,000	8.8	13,891,523	2.37	165,686,172	5,066,095	94,275,387	1,785,433	514,589,215	87.8
1905.....	3,592,500	359,250,000	7.8	12,285,834	3.42	100,339,349	3,650,747	145,924,993	2,835,258	404,835,644	112.7
1906.....	4,939,720	495,972,000	8.6	16,121,298	3.55	105,264,996	4,283,480	176,609,308	3,566,581	567,406,402	114.4
1907.....	5,205,000	520,500,000	8.3	16,081,000	3.09	84,271,876	3,580,599	174,309,014	3,933,059	610,537,138	117.3
1908.....	6,080,560	608,056,000	9.3	17,771,000	2.92	94,609,648	3,545,323	188,430,782	4,094,468	701,877,134	115.4
1909.....	6,066,272	606,627,000	9.9	16,019,607	2.64	124,641,652	3,971,800	188,446,069	3,714,282	670,431,417	110.5
1910.....	6,808,353	680,833,000	a 9.4	a 16,624,000	a 2.44	142,612,966	4,496,889	176,310,330	3,461,760	714,530,364	104.9
1911.....	6,370,555	637,056,000	a 9.1	a 18,274,000	a 2.87	.....	.....	.....	.....	.....	.....
Average:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1789-1795.....	.....	.....	.....	.....	.....	76,013,914	2,465,807	.....	.....	.....	.....
1796-1800.....	.....	.....	.....	.....	.....	60,345,000	.....	.....	.....	.....	.....
1801-1805.....	.....	.....	.....	.....	.....	47,940,240	.....	.....	.....	.....	.....
1806-1810.....	.....	.....	.....	.....	.....	56,582,880	1,941,000	.....	.....	.....	.....
1811-1815.....	.....	.....	.....	.....	.....	57,192,000	2,227,000	.....	.....	.....	.....
1816-1820.....	.....	.....	.....	.....	.....	48,466,080	2,198,690	.....	.....	.....	.....
1821-1825.....	668,882	66,888,240	.....	.....	.....	61,171,320	1,820,028	.....	.....	5,716,920	8.5
1826-1830.....	856,733	85,673,280	.....	.....	.....	87,286,440	2,296,413	.....	.....	61,613,160	.....
1831-1835.....	954,482	95,448,240	.....	.....	.....	85,225,200	2,355,680	.....	.....	10,223,040	10.7
1836-1840.....	818,446	81,844,644	.....	.....	.....	56,847,480	2,088,696	.....	.....	24,997,164	30.5

1841-1845.....	94,872,719	.....	.....	.....	71,847,120	2,088,206	.....	23,025,599	24.3
1846-1850.....	127,614,159	.....	.....	.....	72,762,000	2,661,913	.....	54,852,159	43.0
1851-1855.....	96,822,000	.....	.....	.....	56,514,840	2,174,200	.....	40,307,160	41.6
1856-1860.....	123,309,526	.....	.....	.....	65,732,080	2,063,541	.....	57,577,446	46.7
1861-1865.....	4,141,194	.....	.....	.....	2,257,860	105,324	.....	63,934,804	1,543.9
1866-1870.....	450,288	.....	.....	.....	1,856,948	113,357	.....	85,789,575	190.5
1871-1875.....	61,135,270	.....	.....	.....	391,344	25,266	.....	114,575,839	187.4
1876-1880.....	93,574,953	.....	.....	.....	602,442	34,208	.....	143,601,911	153.5
1881-1885.....	114,600,282	.....	.....	.....	173,618	10,704	.....	188,222,758	164.2
1886-1890.....	131,884,867	.....	.....	.....	482,432	25,860	.....	227,794,745	172.7
1891-1895.....	158,916,780	.....	.....	.....	2,649,677	30,631	.....	303,753,643	191.1
1896-1900.....	170,719,661	.....	.....	.....	10,642,157	386,703	.....	304,723,405	178.5
1901-1905.....	442,685,632	.....	.....	.....	90,394,657	3,107,395	.....	480,199,570	108.5
1906-1910.....	a 5,823,977	.....	.....	.....	110,280,228	3,975,630	.....	652,956,491	112.1

a Preliminary.

b Excess of exports over production.



